



Air Force Research Laboratory|AFRL

Science and Technology for Tomorrow's Air and Space Force

Success Story

MR. RAY HITT RECEIVES AOC CLARK FIESTER COMMAND AND CONTROL WARFARE AWARD



Mr. Ray Hitt, of the Sensors Directorate's Electronic Warfare Branch, received the Association of Old Crows (AOC) Clark Fiester Command and Control Warfare Award. He demonstrated expertise and technical leadership by cutting across organizational lines to obtain critical technology for the Compass Call program—the AFRL and the Air Force command and control warfare mission.



Air Force Research Laboratory
Wright-Patterson AFB OH

Accomplishment

Mr. Hitt received the AOC Clark Fiester Award for his role as the EC-130H Compass Call systems engineer. He was instrumental in replacing the aging compressive receiver with a modern digital receiver upgrade, removing a significant reliability and maintainability nuisance while at the same time providing superior capability.

Background

Mr. Hitt applied his Compass Call weapon system experience as he looked across the directorate for key technologies with application to command and control warfare. He strengthened the ties between the laboratory and the system program office to transition useful technology to the warfighter.

Within the laboratory, Mr. Hitt investigated leading-edge research in silicon-carbide, high-power, solid-state devices with potential for use in jammer applications. He steered advanced research in areas of fratricide avoidance that will increase the survival of friendly forces in the proximity of strong jamming.

Mr. Hitt applied his background in spread spectrum technology, working with other divisions within AFRL to help transition advanced development in these areas to benefit operational capability. He monitored the direction of modern communications and steered new technical efforts to keep Compass Call effective against these modern communications in the future.

Mr. Hitt also provided technical guidance to the Compass Call System Program Office that directly supported the effort in Afghanistan. He provided assistance in transitioning special receiver technology to the Special Operations Forces, using Combat Talon and Spectre Gunship aircraft.

Additional information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (03-SN-13)

Sensors

Awards and Recognition